

## Special Issue

# Novel Techniques for Improving Fruit and Vegetable Quality

### Message from the Guest Editors

Consumer perception is directed towards food products, in particular fruits and vegetables, with improved safety as well as increased health and quality aspects. Hence, the evolution of the established food processes and the development of new ones have only been explored and recognized recently. The most recent advances in the use of emerging technologies (pulsed electric field, ohmic heating, cold plasma, etc.) to obtain fruit and vegetable products with improved quality characteristics represent a huge challenge since understanding their application and effects on fruit- and vegetable-based products, reducing food waste and valorizing raw materials, have still not been clarified. Moreover, this Special Issue will include several topics concerning the experimental design, process and resource optimization, quality stability, process sustainability, and preservation of nutritional, functional, structural, and sensorial properties thus guaranteeing the highest quality for the consumer. Therefore, up-to-date original research and reviews on these topics are welcome, and we look forward to receiving your work.

---

### Guest Editors

Dr. Cinzia Mannozi

Department of Agricultural, Food and Environmental Sciences,  
Università Politecnica delle Marche, Ancona, Italy

Dr. Roberta Foligni

Department of Agricultural, Food and Environmental Sciences,  
Università Politecnica delle Marche, Ancona, Italy

---

### Deadline for manuscript submissions

closed (31 December 2021)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/73980](https://mdpi.com/si/73980)

*Applied Sciences*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)